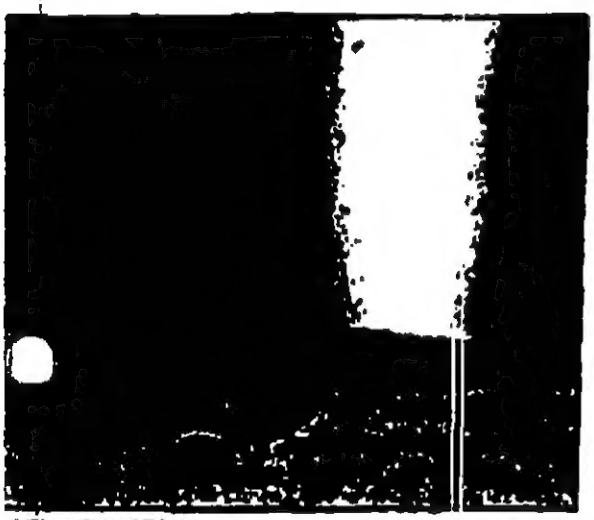
3M Brand Fire Barrier Moldable Putty

3M Brand Fire Barrier Moldable Putty is a 100-percent solids material that is both heat reactive (intumescent) and heat absorbing (endothermic). Moldable putty is designed for use in a wide range of applications where either combustible or non-combustible items penetrate fire-rated wall and floor assemblies. It can replace fire resistive foam, caulks, sealants and other fire-stopping compounds.



EASY TO INSTALL
To apply 3M Brand Fire Barrier Moldable Putty, just hand-mold it to shape and length, then press it in place around pipes, ducts, cables, etc. Because 3M Brand Fire Barrier Moldable Putty is hand-moldable, it saves installation time.

No measuring/mixing.
Ready-to-use. Apply it by hand, right from the container.

U.L. Classified and Factory Mutual Approved.
3M also subscribes to follow-up services of both these test agencies, to assure continued, consistent high quality.

Two fire-stopping technologies in one product.
3M Brand Fire Barrier Moldable Putty is both intumescent and endothermic. In a fire, it both expands to block flames and releases water to cool exposed surfaces. Because of its dual-reaction, 3M Brand Fire Barrier Moldable Putty can be used alone for a wide range of penetration sealing and fire wall restoration applications. You can handle more jobs with fewer items.

Reformable after inspection.
Inspection takes less time. Where feel more confident of your work.

Re-enterable.
Penetrations sealed with 3M Moldable Putty are easy to re-enter and reseal.

No mess.
No special equipment to carry. No containers to clean up. You save time, space and effort.

portant Notice to Consumer: This brochure is an introductory summary of 3M Fire Protection Products. The information provided is based upon typical installation conditions and tests we believe to be reliable. However, due to a wide variety of possible use conditions, 3M does not guarantee that typical values obtained will necessarily be obtained. THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine suitability of the product for their intended use, and user assumes all risk and liability whatsoever in connection therewith. No agreement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

98-0701-2982-8 (31.7) JR

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3M Fire Protection Products
3M Center Building 225-4N-07
St. Paul, MN 55144-1000

3M

Through-penetration Fire Protection Caulk

25WB+ is a one-part, synthetic elastomeric, premium latex caulk that offers exceptional convenience and features.

Superior Fire Protection:

Strong adhesion and expanded UL Classified and FM Approved systems.

Halogen-free:

Pleasant odor. Free from corrosive gases during a fire.

Water Base:

Extra-easy clean-up, no special handling and routine disposal.

Easy Installation:

Fire caulk rate in a non-sag formulation. No mixing required and easily applied with a standard caulk gun, pneumatic pumping equipment, putty knife or trowel. Can be applied in occupied areas.

Intumescent:

Expands when heated to seal around items consumed by a fire.

Endothermic:

Absorbs heat energy, releases chemically bound water.

Fast-dry:

Tack-free in approximately 10-15 minutes.

Other Features:

- Paintable with oil or latex paint
- Improved freeze-thaw stability
- Mild PH
- Minimal shrinkage
- UL Classified system ratings of up to 4 hours
- Maximum pipe size 30 in. (762,0 mm)

(ASTM E-84 Flame Spread 0, Smoke Development 5.0)

Applications:

Use to seal construction openings, blank openings and penetrating items against the passage of flame, noxious gas, smoke and water.

Restores fire-rated construction to original integrity. Also for use with 3M Fire Barrier CS-195 Composite Sheet and FS-195 Wrap/Strip.

CP 25WB+ Caulk will bond to concrete, metals, wood, plastic and cable jacketing.

Packaging:

ITEM	FL OZ	CUBIC INCHES	UNITS PER CARTON
Cartridge	10.5	19.0	12.0
1 Gallon	128.0	217.0	4.0
5 Gallon	640.0	1150.0	1.0

Important Notice to Purchaser: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. The following is made in lieu of all warranties, expressed or implied: SELLER'S AND MANUFACTURER'S ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVED TO BE DEFECTIVE. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

No statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by an officer of seller or manufacturer.

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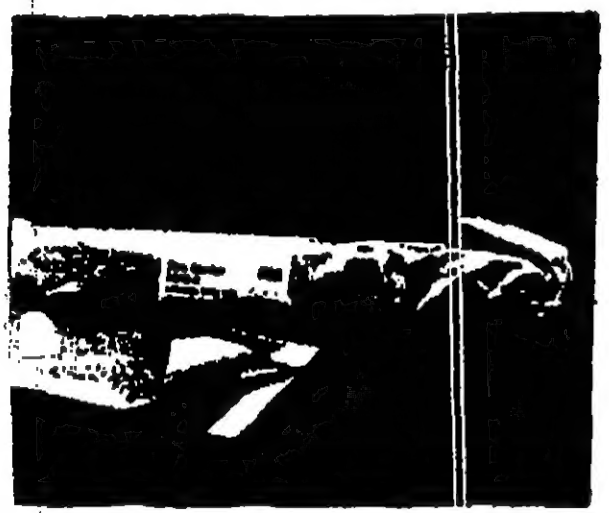
Innovation working for you

Protection Products
Center Bldg. 225-4N-07
Paul, MN 55144-1000

3M

Handy way to hold back smoke, flames and high temperatures.



Combined fire, smoke, fume and moisture stopping is now at hand.

As installed, 3M Brand Moldable Putty seals against cold smoke, gases and moisture.

When exposed to temperatures above 300°F (149°C) Moldable Putty begins to expand (intumescent reaction) to form a strong, insulating, fire resistive char that is maintained over a broad temperature range and prevents hot gas and flame from reaching adjacent compartments —when properly applied.

At the same time, Moldable Putty also reacts to the heat by releasing chemically bound water (endothermic reaction) to cool exposed surfaces and reduce heat transfer.

(Note: For information regarding applications and material depth, see the current U.L. Building Materials Directory or contact your local 3M distributor or representative.)

product of advanced re resistive technology, M Brand Fire Barrier foldable Putty.

Distributed by:

ReSource New York

45 West 25th Street
New York, New York 10010

Phone: (212) 366-0666
Fax: (212) 627-8015

PROPOSAL

#-4-145

SOLD TO: Trammell Crow Company
200 Vesey Street
30th Floor
New York, NY 10285
Att: Carol Higuera-Balcarcel

SHIP TO: **American Express**
7 World Trade Center
8th Floor

SALESMAN: Rita D. Spinella

DATE: April 19, 2001

CUSTOMER P.O.:

TERMS: Net 30 Days

Amount:

We hereby propose to furnish and install in all areas as indicated per plans submitted and dated 04/01/01, the following:

Install direct glue down method/1/4 turn tile installation:

A) In all areas marked carpet tile:
Mill : Interface
Style: Pop-Plaid 50 CM Carpet Tile
Color: 3288 Right On
Total square yards required 3958.76

B) In all areas marked wall base/where missing.
Mill : TDB
Style: 2 1/2" Straight
Color:TBD
Total lineal feet required... 360

[redacted] tax...

[redacted]

Contract Includes:

- **All union labor to be performed on overtime. Remove and dispose Friday evenings with installation on Saturdays. Approximately Six (6) phase weekends.**
- **Minor floor preparation, limited to flash patching.**
- **Renovisions furniture lift system to facilitate lifting of existing furniture.**
- **5% attic stock.**
- **0-4% manufacturer overage required for production.**

If the above proposal is acceptable, please sign below and return.

Sincerely,
ReSource New York

Rita D. Spinella
Account Manager

RDS/mg/Attach:"Notes"

APPROVED BY: _____ **DATE:** __/__/__

Please Print Name & Title_____

ReSource

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Re:Source NY
45 West 25th St.
8th Floor
New York, NY 10010
212.366.0666

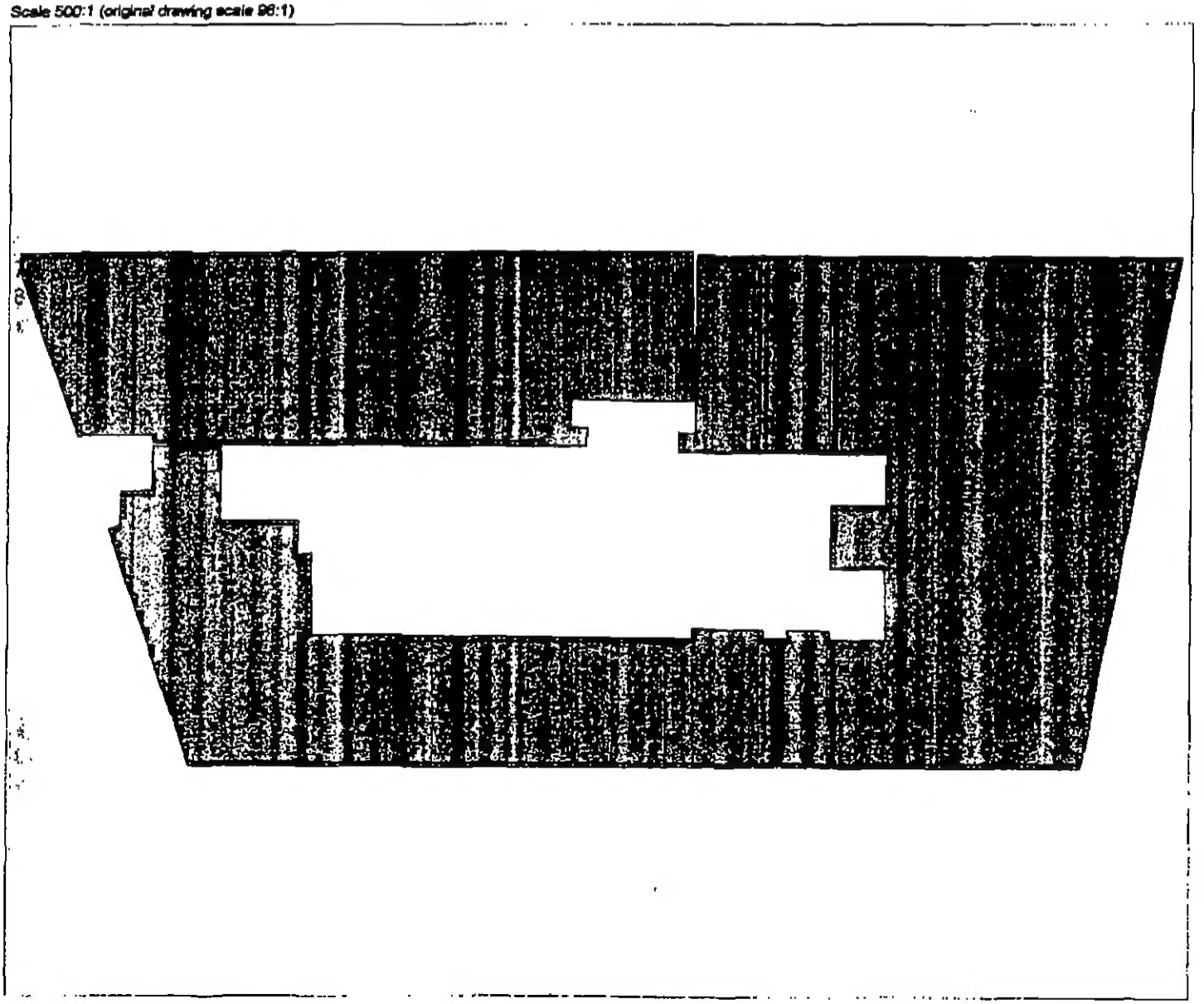
American Express

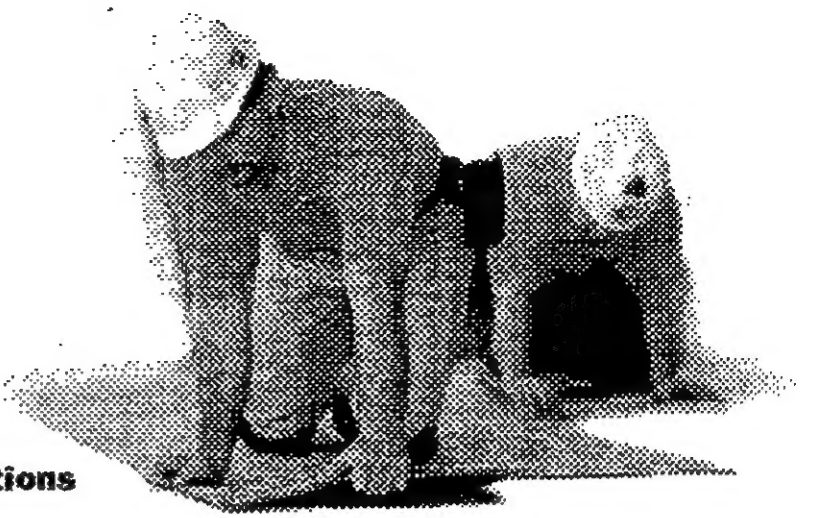
7 World Trade Center
8th floor

Summary report

Name	Net	Gross	Waste	Perimeter
[redacted] C1_17.68" square tile				
1	2539.50yds2	2576.40yds2 (8621 tiles)	1.43%	1104'7.95"
2	1054.84yds2	1066.90yds2 (3570 tiles)	1.13%	482'0.50"
	3594.33yds2	3646.89yds2 (12200 Tiles)	1.42%	1586'8.46"

Scale 500:1 (original drawing scale 96:1)





Adhesives—Traditional Applications

✻ **Contract Carpet Adhesive 900**—An economical, high strength carpet adhesive designed for the installation of most commercial contract carpets with typical backing systems.

○ **Premium Multipurpose Adhesive 1000**—High strength, fast setting carpet adhesive for use with most carpet backs in direct and double glue down.

○ **Premium Multipurpose Adhesive for Patterned Carpet 1100**—A high strength, medium setting adhesive designed for use with most carpet backings that require additional open time for repositioning and pattern matching.

✻ **Fast Grab Premium Multipurpose Adhesive 1200**—Fast Grab is specially formulated for fast development of tack and low open time.

✻ **Adhesive 1400**—Semi-permanent adhesive for Interface Performance Broadloom NexStep® backing system.

✻ **Carpet Adhesive 1500**—A high strength, high solids adhesive suitable for use with non-porous backing systems allowing for the installation of carpet into wet adhesive.

Premium VCT Adhesive 1600—A non-flammable latex adhesive formulated for the interior installation of vinyl composite tiles over plywood, hardwood, concrete or other prepared floor surfaces

✻ **Grid-Set Green Glue 2000**—A releasable adhesive for Interface Glasbac® (structured back) carpet tiles

○ **High Performance Broadloom Adhesive 2100**—Used for Interface Performance Broadloom structured back roll goods.

✻ **Adhesive 2300**—An aggressive, pressure sensitive, releasable adhesive for use with Bentley structured back and Bentley and Interface NexStep attached urethane cushion carpet tiles.

✻ **Conductive Grid-Set Adhesive 2400**—A clear, conductive pressure sensitive adhesive for the installation of Interface Flooring ESD carpet tile.

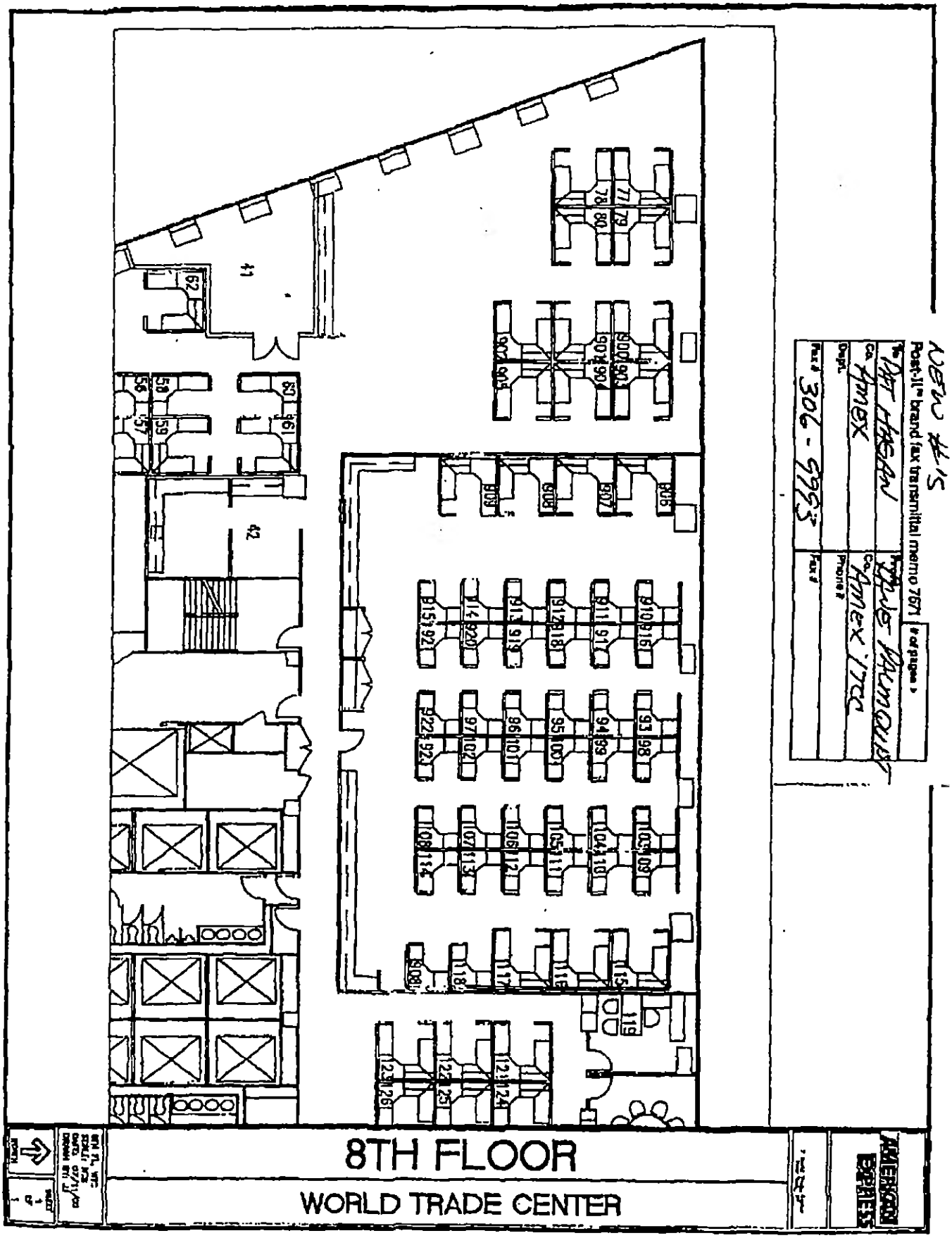
✻ **Grid-Set Adhesive 2500**—A releasable adhesive for Interface Canada Glasbac (structured back) carpet tiles.

✻ **Adhesive 2600**—A true all purpose adhesive suitable for the permanent installation of both standard and structured back carpet and flooring products.

Cove Base Adhesive 3100—Cove adhesive for the permanent installation of vinyl and rubber cove bases.

MSDS Sheets available by calling 800.221.4799

○ *Broadloom Adhesive Products*
✻ *Carpet Tile Adhesive Products*
▪ *Base Broadloom and Tile Adhesive Products*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AMERICAN EXPRESS

7TH FLOOR

WORLD TRADE CENTER

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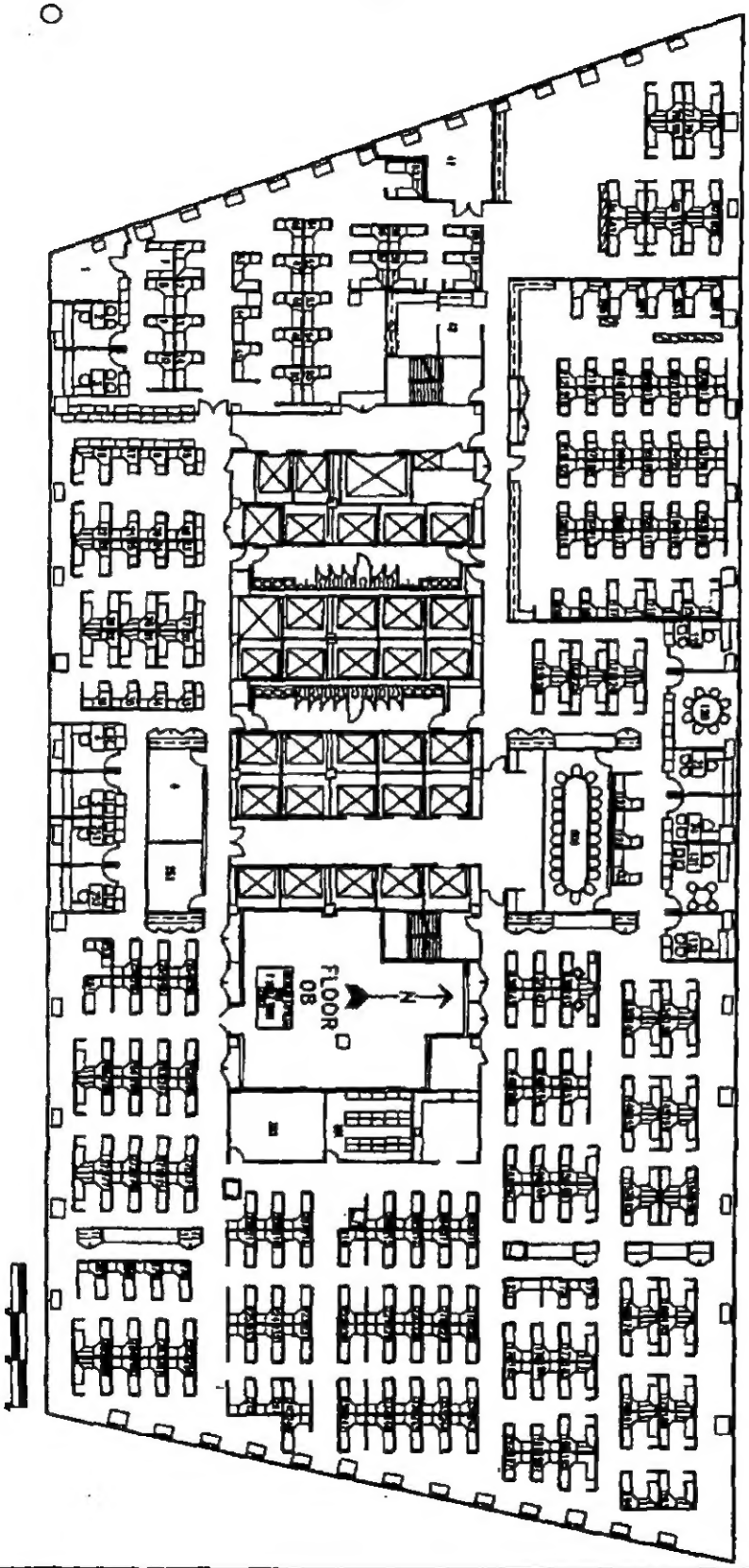
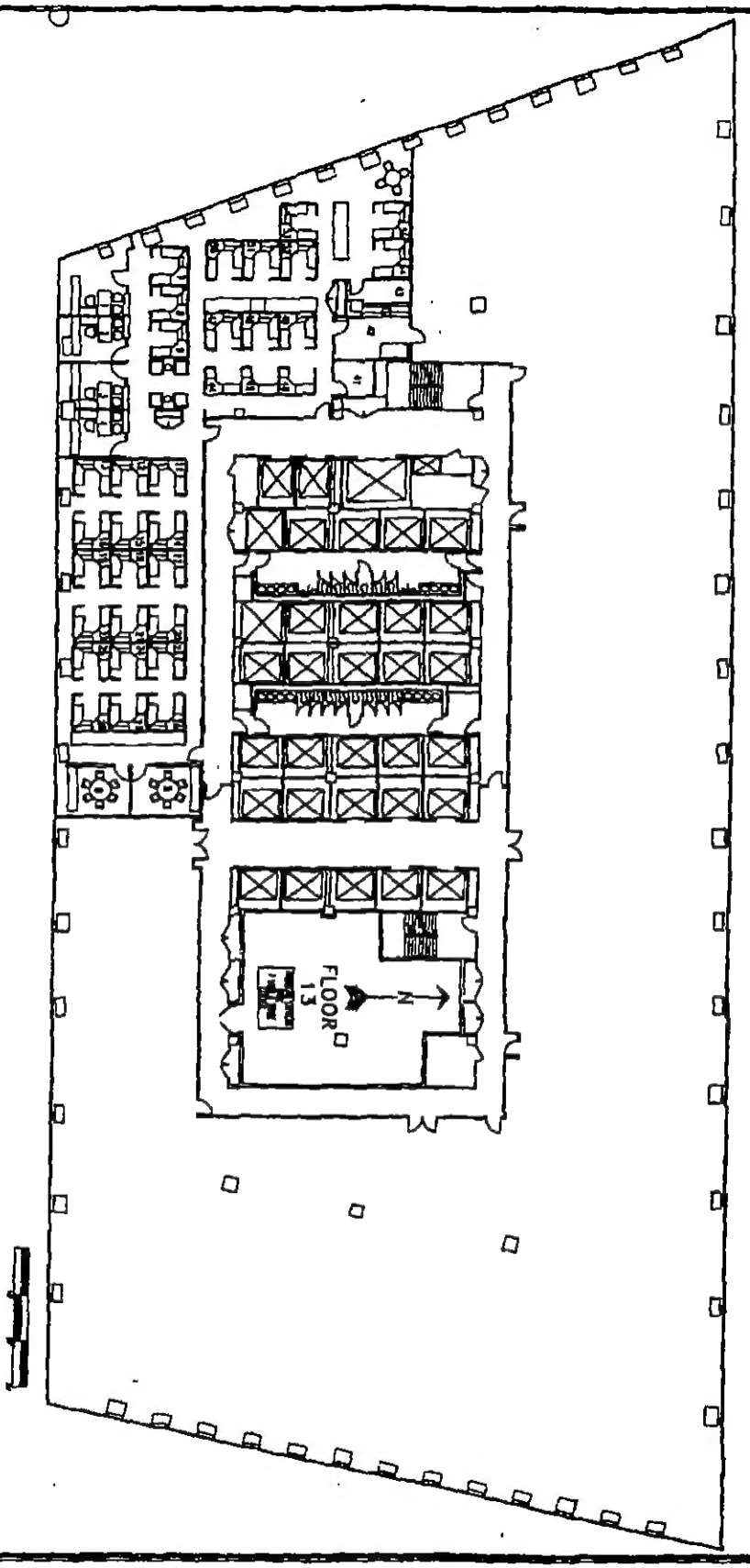


8TH FLOOR

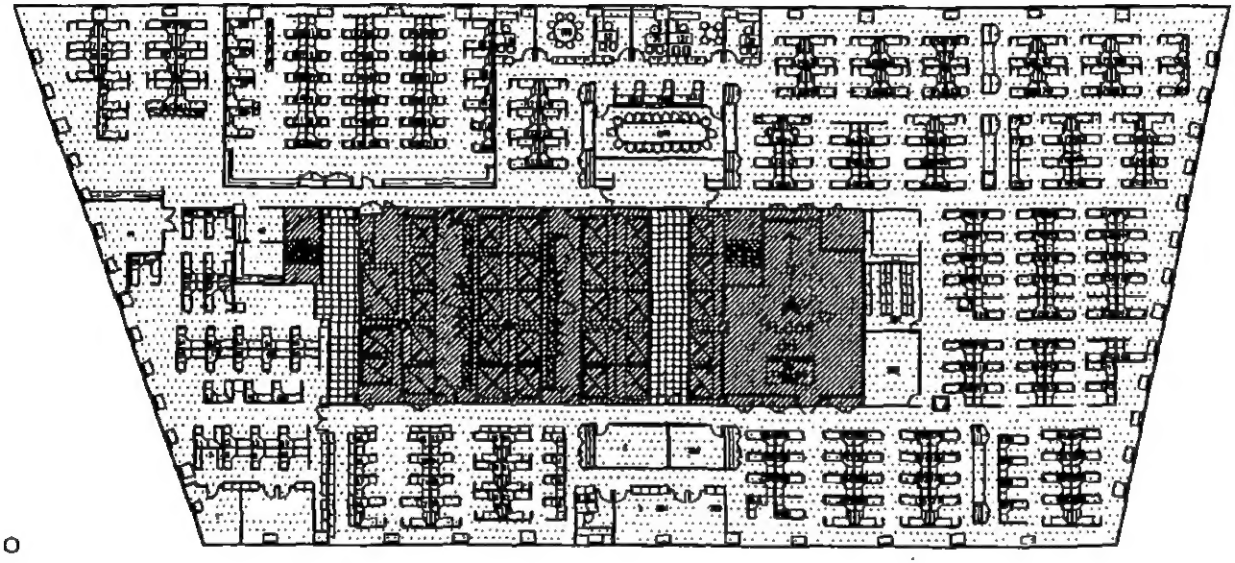
WORLD TRADE CENTER



13TH FLOOR

WORLD TRADE CENTER

AMERICAN EXPRESS



8TH FLOOR - AMERICAN EXPRESS

SCALE: 1/32" = 1'-0"

LEGEND:
- AMERICAN EXPRESS (33,490 S.F.)
- COMMON SPACE (995 S.F.)
- CORE AREA (6,800 S.F.)**

NET USEABLE AREA = 33,490 S.F.

MC CLIER
architecture engineering construction consulting
401 East Illinois
Chicago, IL 60611
ph 312-373-7700 fax 312-373-7710

8TH FLOOR PLAN
7 World Trade Center
Space Distribution Plan

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date	job no
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dwg no
7WTC-08

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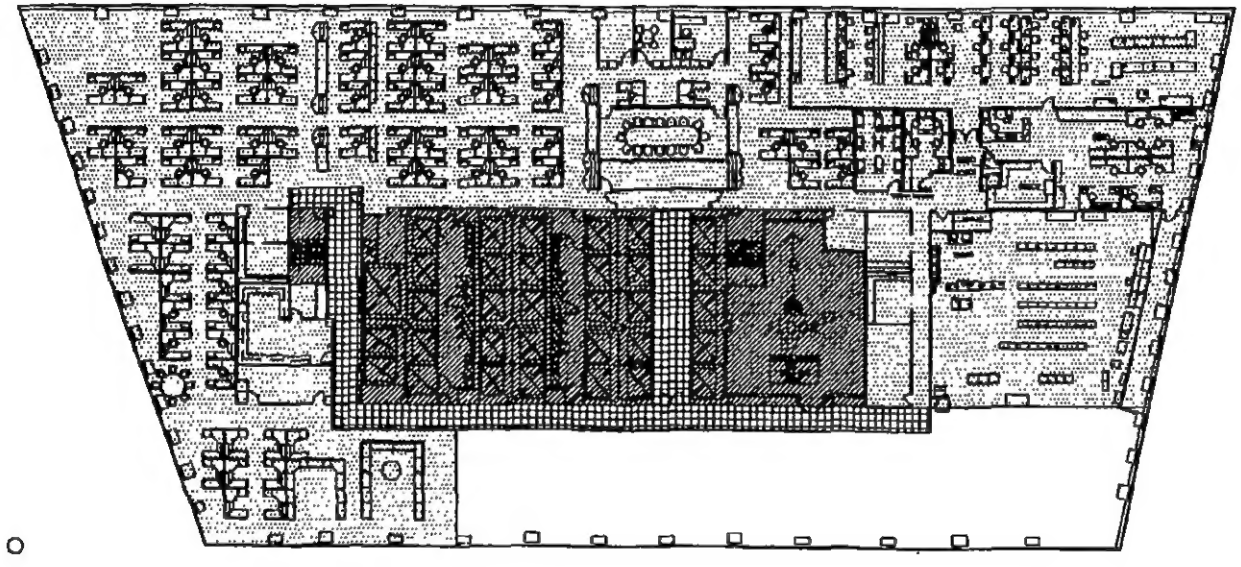

7TH FLOOR - AMERICAN EXPRESS

SCALE 1/32" = 1'-0"

LEGEND:
- AMERICAN EXPRESS (26,324 S.F.)
- COMMON SPACE (2,140 S.F.)
- CORE AREA (6,800 S.F.)

NET USEABLE AREA - 32,345 S.F.

McCLIER
architecture : engineering
construction : consulting
401 East Illinois
Chicago, IL 60611
ph 312-373-7700 fax 312-373-7700

7TH FLOOR PLAN
7 World Trade Center
Space Distribution Plan

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MEB	GV
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04/16/02	02599

dwg no.
7WTC-07

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